

PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Renato CARETTA et al.)
Serial No.: Not yet assigned) Group Art Unit: Not yet assigned
Filed: December 3, 2001) Examiner: Not yet assigned
For: SYSTEM FOR CHECKING THE AIR)
PRESSURE IN THE TYRES OF A)
MOTOR VEHICLE)

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

PRELIMINARY AMENDMENT

Prior to the examination of the above-captioned application, please amend this
application as follows:

IN THE SPECIFICATION:

Please amend the specification, as follows:

Add a paragraph immediately after the title SYSTEM FOR CHECKING THE AIR
PRESSURE IN THE TYRES OF A MOTOR VEHICLE, as follows:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of International Patent Application No. PCT/EP00/04717, filed May 24, 2000, in the European Patent Office, the contents of which are relied upon and incorporated herein by reference; additionally, Applicants claim the right of priority under 35 U.S.C. § 119(a) - (d) based on patent application No. 99110608.9, filed June 2, 1999, in the European Patent Office, and patent application No. 00108606.5, filed April 20, 2000, in the European Patent Office; further, Applicants claim the benefit under 35 U.S.C. § 119(e) based on prior-filed, copending provisional application No. 60/147,476, filed June 14, 1999, in the U.S. Patent and Trademark Office.--

Page 1, line 8, add section subheading --Description of the Related Art-- prior to the start of the paragraph beginning "The wheel is the component providing"

Page 5, line 2, add section heading --SUMMARY OF THE INVENTION-- prior to the start of the paragraph beginning "The Applicants have noted that"

Page 9, line 10, add section heading --BRIEF DESCRIPTION OF THE DRAWINGS-- prior to the start of the paragraph beginning "This description will be provided"

Page 10, line 9, add section heading --DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS-- prior to the start of the paragraph beginning "Figure 1 shows the block diagram"

Add a new Page 30 after the claims, adding the following ABSTRACT OF THE DISCLOSURE. A new, separate Page 30 including the ABSTRACT OF THE DISCLOSURE is enclosed.

--ABSTRACT OF THE DISCLOSURE

A system for checking at least one status parameter of a tyre for a motor vehicle includes at least one wheel, including a tyre mounted on a rim, an inner tube inserted into a cavity defined between the tyre and the rim, a first device for measuring the at least one status parameter associated with the at least one wheel, a second device for transmitting a signal indicating a value measured by the first device, a third device for receiving the signal, and a fourth device for sensing movement of the at least one wheel and for enabling energization of the second device when the at least one wheel is moving, wherein the first, second, and fourth devices are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the at least one wheel.--

IN THE CLAIMS:

Please cancel, without prejudice or disclaimer, claims 2-24, and add new claims 25-40, as follows:

--25. (new) A system for checking at least one status parameter of a tyre for a motor vehicle, comprising:

at least one wheel comprising a tyre mounted on a rim;

an inner tube inserted into a cavity defined between the tyre and the rim;

a first device for measuring the at least one status parameter associated with the at least one wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;

a third device for receiving the signal; and

a fourth device for sensing movement of the at least one wheel and for enabling energization of the second device when the at least one wheel is moving;

wherein the first device, the second device, and the fourth device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the at least one wheel.

26. (new) The system of claim 25, wherein the fourth device is an acceleration switch.

27. (new) The system of claim 25, wherein the container is inserted into a bushing fixed in the wall of the inner tube.

28. (new) The system of claim 25, wherein the first device comprises a pressure sensor.

29. (new) The system of claim 25, wherein the first device comprises a temperature sensor.

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30. (new) The system of claim 25, wherein the second device further comprises a fifth device for measuring a voltage of the power-supply battery, and wherein the second device transmits a value of the measured voltage using a radio-frequency signal.

31. (new) The system of claim 25, further comprising a sixth device for displaying the signal.

32. (new) The system of claim 25, wherein the inner tube comprises at least two compartments separate from each other and each provided with a first device.

33. (new) A wheel for vehicles, comprising:

a tyre mounted on a rim;

an inner tube inserted into a cavity defined between the tyre and the rim;

a first device for measuring at least one status parameter of the tyre associated with the wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery; and

a third device for sensing movement of the wheel and for enabling energization of the second device when the wheel is moving;

wherein the first device, the second device, and the third device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the wheel.

34. (new) The wheel of claim 33, wherein the third device is an acceleration switch.

35. (new) The wheel of claim 33, wherein the first device comprises a pressure sensor.

36. (new) The wheel of claim 33, wherein the first device comprises a temperature sensor.

37. (new) A wheel for vehicles, comprising:

a tyre mounted on a rim;

a first device for measuring at least one status parameter of the tyre associated with the wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;

a third device for sensing movement of the wheel, designed to connect the battery to the second device when the wheel is moving;

wherein the first device, the second device, and the third device are housed in a container, and

wherein the container is inserted into the rim from an outside of the rim by screwing the container into a threaded bushing.

38. (new) The wheel of claim 37, wherein the third device is an acceleration switch.

39. (new) The wheel of claim 37, wherein the first device comprises a pressure sensor.

40. (new) The wheel of claim 37, wherein the first device comprises a temperature sensor.--

REMARKS

Applicants submit this Preliminary Amendment together with a continuation application under 37 C.F.R. § 1.53(b). After entry of this Preliminary Amendment, claims 1 and 25-40 are pending in this application.

In this Preliminary Amendment, Applicants add section headings, section subheadings, and an Abstract of the Disclosure to conform to U.S. practice. Additionally, Applicants add claims to the right of priority and benefit. Further, Applicants cancel, without prejudice or disclaimer, claims 2-24, and add new claims 25-40, which include the same subject matter as the original claims, to improve clarity. The originally-filed specification, claims, abstract, and drawings fully support the amendments to the specification and Abstract of the Disclosure and the addition of new claims 25-40. No new matter was introduced.

If there is any fee due in connection with the filing of this Preliminary Amendment, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

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By: _____

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Dated: December 3, 2001

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